CLAIMS:

5

10

25

What is claimed is:

A method for performing data mirroring, the method comprising:
 initiating a data mirroring operation with a group of target devices connected to a bus;
 performing arbitration and selection with attention to a target leader within the group of
 target devices;

sending a target leader identification message identifying the target leader; sending a data block to the target leader;

sending a target selection message identifying a participating target within the group of target devices; and

sending a data block to the participating target without creating an initiator/target nexus with the participating target.

- The method of claim 1, wherein the target leader holds the bus for the data mirroring operation.
 - 3. The method of claim 2, wherein holding the bus includes asserting a busy line on the bus.
- 20 4. The method of claim 1, further comprising:
 sending a bus release message instructing the target leader to release the bus.
 - 5. The method of claim 1, wherein the participating target drives at least one phase line during a data phase.
 - 6. The method of claim 1, wherein the target leader identification message and the target selection message include a vendor command that indicates that an initiator of the message is notifying for silent mirroring mode capability.

- 7. The method of claim 1, wherein the target leader identification message and the target selection message include a silent mirroring group identification and a target device identification.
- 5 8. The method of claim 1, wherein the target selection message includes an indicator that the participating target is the last target device in the data mirroring operation.
 - 9. The method of claim 1, wherein each target device in the group of target devices returns a status.

10

20

25

- 10. The method of claim 9, further comprising:identifying at least one unsuccessful data block; andre-transferring the at least one unsuccessful data block using a data mirroring operation.
- 15 11. An apparatus for performing data mirroring, the apparatus comprising:

a bus;

a host connected to the bus; and

a group of target devices connected to the bus, wherein the group of target devices includes a plurality of participating targets including a target leader,

- wherein the host initiates a data mirroring operation with the group of target devices, performs arbitration and selection with attention to the target leader, sends a target leader identification message identifying the target leader, sends a data block to the target leader, sends a target selection message identifying a selected participating target within the group of target devices, and sends a data block to the selected participating target without creating an initiator/target nexus with the selected participating target.
 - 12. The apparatus of claim 11, wherein the target leader holds the bus for the data mirroring operation.

- 13. The apparatus of claim 12, wherein holding the bus includes asserting a busy line on the bus.
- 14. The apparatus of claim 11, wherein the host sends a bus release message instructing the target leader to release the bus.
 - 15. The apparatus of claim 11, wherein the selected participating target drives at least one phase line of the bus during a data phase.
- 16. The apparatus of claim 11, wherein the target leader identification message and the target selection message include a vendor command that indicates that an initiator of the message is notifying for silent mirroring mode capability.
- 17. The apparatus of claim 11, wherein the target leader identification message and the target selection message include a silent mirroring group identification and a target device identification.
 - 18. The apparatus of claim 11, wherein the target selection message includes an indicator that the selected participating target is the last target device in the data mirroring operation.
 - 19. The apparatus of claim 11, wherein each target device in the group of target devices returns a status.
- 20. A computer program product, in a computer readable medium, for performing data mirroring, the computer program product comprising:

instructions for initiating a data mirroring operation with a group of target devices connected to a bus;

instructions for performing arbitration and selection with attention to a target leader within the group of target devices;

20

instructions for sending a target leader identification message identifying the target leader;

instructions for sending a data block to the target leader;

instructions for sending a target selection message identifying a participating target within
the group of target devices; and

instructions for sending a data block to the participating target without creating an initiator/target nexus with the participating target.